

**Active Standard Operating Procedures (SOPs) for  
Pesticide Data Program (PDP) Laboratories  
July 1, 2008**

**ADMINISTRATIVE PROCEDURES** (Sampling and Laboratory)

PDP-ADMIN-01	Facilities (Rev. 6, 07/01/07)
PDP-ADMIN-02	Personnel and Organization (Rev. 7, 07/01/08)
PDP-ADMIN-03	Training/Personnel Records and Performance Evaluation of Technical Personnel (Rev. 6, 07/01/08)
PDP-ADMIN-04	Laboratory Equipment (Rev. 7, 10/01/07)
PDP-ADMIN-05	Safety (Rev. 7, 07/01/08)
PDP-ADMIN-06A	USDA/AMS Quality Assurance Program (Rev. 8, 04/01/07)
PDP-ADMIN-06B	Laboratory Quality Assurance Units (QAUs) (Rev. 10, 04/01/08)
PDP-ADMIN-07	Standard Operating Procedures (Rev. 7, 04/01/08)

**STANDARDS**

PDP-STD-04	Analytical Reference Standards (Rev. 1, 07/01/08)
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**LABORATORY OPERATIONS**

PDP-LABOP-01	Sample Receipt, Storage, Archiving, and Disposal (Rev. 13, 07/01/08)
PDP-LABOP-02	Chain of Custody Procedures (Rev. 6, 01/01/07)
PDP-LABOP-03	Sample Preparation for Fresh Fruit and Vegetable, Grain, Fish, and Processed Commodities (Rev. 20, 07/01/08)
PDP-LABOP-04	Method SOPs, Extraction, Clean-up, and Analysis (Rev. 5, 04/01/07)
PDP-LABOP-06	Glassware Calibration and Cleaning (Rev. 5, 04/01/07)
PDP-LABOP-12	Animal Tissue Analysis (Rev. 5, 03/01/06) <ul style="list-style-type: none"><li>• Attachment 1, FSIS Unified Sampling Form 10,210-3</li><li>• Attachment 2, Reportable Residue Form for Animal Tissue</li></ul>
PDP-LABOP-13	Receipt, Custody, Preparation, Packaging, and Shipment of PDP Homogenates (Rev. 5, 07/01/08)

**DATA HANDLING**

PDP-DATA-03	Quantitation and Confirmation of Pesticide Residues (Rev. 11, 07/01/07)
PDP-DATA-07	Data Reduction and Reporting (Rev. 1, 10/01/07) <ul style="list-style-type: none"><li>• Attachment 1, Laboratory Information Form (LIF) Codes</li></ul>
PDP-DATA-08	Data Storage, Retrieval, and Archival (Rev. 3, 07/01/08) <ul style="list-style-type: none"><li>• Attachment 1, PDP Designated Federal Records Centers</li><li>• Attachment 2, Standard Form (SF) 135 Template</li><li>• Attachment 3, Example SF 135 for Routine Data Packages</li><li>• Attachment 4, Example SF 135 for Method Validation Packages</li><li>• Attachment 5, Example SF 135 for Supporting Documentation</li><li>• Attachment 6, Instructions for Assembly and Packaging of Record Boxes</li></ul>

**INSTRUMENTATION**

PDP-INST-04	Injection Sequence (Rev. 7, 07/01/08)
PDP-INST-06	Instruments and Equipment (Original, 01/01/08)

**QUALITY CONTROL**

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PDP-QC-01	Blanks and Spikes Required per Set (Rev. 11, 07/01/08)
PDP-QC-04	Quality Control Criteria (Rev. 11, 04/01/08) <ul style="list-style-type: none"> <li>• Attachment 1, Process Control and Spike Recovery Acceptability Flowchart</li> </ul>
PDP-QC-05	Approval Process for Method Modification (Rev. 5, 07/01/06)
PDP-QC-07	Demonstration of Method Performance (Rev. 9, 10/01/07) <ul style="list-style-type: none"> <li>• Attachment 1, Method Evaluation Flowchart</li> <li>• Attachment 2, Method Performance Reporting Forms               <ul style="list-style-type: none"> <li>• Verification of Limits of Detection (LODs)</li> <li>• LOD Check</li> <li>• Determination of Method Performance</li> <li>• Precision and Accuracy Data Collection</li> </ul> </li> </ul>
PDP-QC-10	LOD and LOQ for Chromatographic Methods (Rev. 3, 10/01/06)
PDP-QC-13	Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings (Rev. 22, 07/01/08) <ul style="list-style-type: none"> <li>• Attachment 1; EPA, Codex, and Food and Drug Administration (FDA) Pesticide Analytical Manual (PAM) Commodity Groupings</li> <li>• Attachment 2, FDA Information</li> </ul>
Commodity Specific Requirements	
	<ul style="list-style-type: none"> <li>• PDP-QC-13 Apples, Commodity Specific Requirements for Apples (Rev. 8, 10/01/07)</li> <li>• PDP-QC-13 Blueberries, Commodity Specific Requirements for Blueberries (Rev. 1, 07/01/07)</li> <li>• PDP-QC-13 Broccoli, Commodity Specific Requirements for Broccoli (Rev. 2, 10/01/06)</li> <li>• PDP-QC-13 Celery, Commodity Specific Requirements for Celery (Rev. 3, 07/01/07)</li> <li>• PDP-QC-13 Corn Grain, Commodity Specific Requirements for Corn Grain (Original, 10/01/06)</li> <li>• PDP-QC-13 Grapes, Commodity Specific Requirements for Grapes (Rev. 4, 01/01/08)</li> <li>• PDP-QC-13 Green Beans, Commodity Specific Requirements for Green Beans (Rev. 5, 07/01/07)</li> <li>• PDP-QC-13 Greens, Commodity Specific Requirements for Greens (Rev. 1, 07/01/07)</li> <li>• PDP-QC-13 Groundwater-MN, Commodity Specific Requirements for Groundwater (Original, 01/01/07)</li> <li>• PDP-QC-13 Honey, Commodity Specific Requirements for Honey (Original, 10/01/07)</li> <li>• PDP-QC-13 Nectarines, Commodity Specific Requirements for Nectarines (Rev 2, 07/01/07)</li> <li>• PDP-QC-13 Peaches, Commodity Specific Requirements for Peaches (Rev. 4, 07/01/07)</li> <li>• PDP-QC-13 Potatoes, Commodity Specific Requirements for Potatoes</li> </ul>

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(Rev. 7, 07/01/07)

- PDP-QC-13 Spinach, Commodity Specific Requirements for Spinach (Rev. 6, 01/01/08)
- PDP-QC-13 Strawberries, Commodity Specific Requirements for Strawberries (Rev 4, 07/01/08)
- PDP-QC-13 Summer Squash, Commodity Specific Requirements for Summer Squash (Rev.1, 07/01/07)
- PDP-QC-13 Tomatoes, Commodity Specific Requirements for Tomatoes (Rev. 4, 07/1/07)
- PDP-QC-13AB-MT, Specific Requirements for Montana Raw and Finished Drinking Water (Rev 1, 07/01/04)
- PDP-QC-13AB-NY, Specific Requirements for New York Finished Drinking Water (Rev. 3, 04/01/03)

PDP-QC-15

Mass Spectrometry (MS) Criteria (Rev. 2, 01/01/07)

- Attachment 1, Glossary of Mass Spectrometry Terms and Acronyms

## PDP GLOSSARY

(Rev. 6, 04/01/08)

## ARCHIVED SOPs

PDP-ADMIN-08

Historical SOP File (Rev. 5, *Archived April 2008*)

PDP-DATA-01

Data Reduction and Validation (Rev. 8, *Archived July 2007*)

PDP-DATA-02

Reporting Results (Rev. 12, *Archived July 2007*)

- Attachment 1, PDP Laboratory Information Form (LIF) Codes

PDP-DATA-04

Data Submission, Storage, Retrieval, and Archival (Rev. 11, *Archived July 2007*)

- Attachment 1, PDP Designated Federal Records Centers
- Attachment 2, Standard Form (SF) 135 Template
- Attachment 3, Example SF 135 for Raw Data Packages
- Attachment 4, Example SF 135 for Method Validation Packages
- Attachment 5, Example SF 135 for Supporting Documentation
- Attachment 6, Instructions for Assembly and Packaging of Record Boxes

PDP-DATA-05

Remote Data Entry (RDE) System (Rev. 5, *Archived July 2007*)

PDP-DATA-06

Data Review Requirements (Rev 4, *Archived July 2007*)

PDP-INST-01

Maintenance Procedures and Documentation (Rev. 5, 04/01/07, *Archived January 2008*)

PDP-INST-02

Equipment Calibration (Rev. 5, 04/01/07, *Archived January 2008*)

PDP-INST-03

Instrument SOPs and Manuals (Rev. 5, 04/01/07, *Archived January 2008*)

PDP-INST-05

MS Tuning and Operation Guide (Rev. 2, Effective 12/11/92, *Archived May 1999*)

PDP-LABOP-01

Attachment 1, Sample Receipt Form (*Archived April 2008*)

Attachment 2, Instructions for Completing Sample Receipt Form (*Archived April 2008*)

PDP-LABOP-05

Reagents Preparation, Labeling, and Storage (Rev. 5, *Archived April 2008*)

PDP-LABOP-07

Waste Disposal (Rev. 3, Effective 07/01/00, *Archived April 2005*)

PDP-LABOP-08

Sample Receipt, Storage, Archiving, and Disposal for Whole Milk (Original,

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	Effective 01/01/96, <i>Archived April 2000</i> )
PDP-LABOP-09	Laboratory Procedures for Aldicarb/Potatoes Project (Original, Effective 08/14/97, <i>Archived April 2000</i> )
PDP-LABOP-10	Laboratory Procedures for Acute Dietary Risk Survey, Organophosphates and Carbamates in Apples (Rev. 1, Effective 05/01/99, <i>Archived April 2000</i> )
PDP-LABOP-11	Peach Acute Dietary Risk Survey (Original, Effective 01/01/00, <i>Archived April 2005</i> )
PDP-LABOP-14	Receipt, Custody, Preparation, Packaging, and Shipment of PDP Homogenates for Perchlorate Analysis (Original, 09/01/06, <i>Archived October 2007</i> )
PDP-STD-01	Analytical Reference Standards Receipt and Storage (Rev. 6, 01/01/07, <i>Archived January 2008</i> )
PDP-STD-02	Analytical Reference Standards Preparation (Rev. 5, 01/01/07, <i>Archived January 2008</i> )
PDP-STD-03	Analytical Reference Standards Quality Control (Rev. 7, 01/01/07, <i>Archived January 2008</i> )
PDP-QC-02	Initial Laboratory Evaluation (Rev. 6, Effective 10/01/98, <i>Archived July 2004</i> )
	<ul style="list-style-type: none"> <li>• Attachment PDP-QC-2.1a, Determination of Consistent Instrumental Response</li> <li>• Attachment PDP-QC-2.1b, Determination of Method Performance</li> <li>• Attachment PDP-QC-2.1c, Precision and Accuracy Data Collection</li> </ul>
PDP-QC-03	Performance Evaluation of Technical Personnel (Rev. 5, 07/01/04, <i>Archived July 2006</i> )
PDP-QC-06	Minimum Requirements for GC/Quadrupole Mass Spectrometer Confirmation in EI Mode (Rev. 4, 06/01/02, <i>Archived January 2005</i> )
	<ul style="list-style-type: none"> <li>• Attachment 01, Flowchart for Minimum Requirements of Confirmation of GC/Quadrupole Mass Spectrometer in EI Mode</li> </ul>
PDP-QC-08	Control Charting of Data (Rev. 3, <i>Archived April 2008</i> )
PDP-QC-09	Minimum Requirements for Confirmation Using GC/MS-MS (Rev. 1, 06/01/02, <i>Archived January 2005</i> )
PDP-QC-11	Ion Trap Confirmation Guidelines (Original, Effective 03/02/94, <i>Archived April 2000</i> )
PDP-QC-12	Unidentified Analytical Responses (Original, 02/01/96, <i>Archived July 2003</i> )
PDP-QC-14	Quality Assurance/Quality Control for Water (Rev. 3, 04/01/04, <i>Archived October 2006</i> )
PDP-QC-16	ISO 17025 Links to PDP SOPs (Rev. 2, 01/01/07, <i>Archived July 2008</i> )

### ARCHIVED COMMODITY SPECIFIC REQUIREMENTS

- PDP-QC-13 Almonds, Commodity Specific Requirements for Almonds (Original, 07/01/07, *Archived July 2008*)
- PDP-QC-13 Apple Triazoles, Commodity Specific Triazole Requirements for Apples (Original, 05/15/03, *Archived July 2008*)
- PDP-QC-13 Bananas, Commodity Specific Requirements for Bananas (Rev. 4, 07/01/07, *Archived July 2008*)

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- PDP-QC-13 Bell Peppers, Commodity Specific Requirements for Bell Peppers (Rev 1, 04/01/04, *Archived July 2008*)
- PDP-QC-13 Bottled Water-MN, Commodity Specific Requirements for Bottled Water (Original, 04/01/05, *Archived July 2008*)
- PDP-QC-13 Butter, Commodity Specific Requirements for Butter (Original, 07/01/03, *Archived July 2008*)
- PDP-QC-13 Cantaloupe, Commodity Specific Requirements for Cantaloupe (Rev. 1, 04/01/05, *Archived July 2008*)
- PDP-QC-13 Carrots, Commodity Specific Requirements for Carrots (Rev. 3, 04/01/06, *Archived July 2008*)
- PDP-QC-13 Cauliflower, Commodity Specific Requirements for Cauliflower (Rev. 1, 07/01/05, *Archived July 2008*)
- PDP-QC-13 Cherries, Commodity Specific Requirements for Sweet Cherries (Rev. 5, 10/01/07, *Archived July 2008*)
- PDP-QC-13 Cranberries, Commodity Specific Requirements for Cranberries (Original, 01/01/07, *Archived July 2008*)
- PDP-QC-13 Eggplant, Commodity Specific Requirements for Eggplant (Rev. 1, 04/01/05, *Archived July 2008*)
- PDP-QC-13 Grapefruit, Commodity Specific Requirements for Grapefruit (Rev. 2, 04/01/06, *Archived July 2008*)
- PDP-QC-13 Lettuce, Commodity Specific Requirements for Lettuce (Rev 1, 04/01/04, *Archived July 2008*)
- PDP-QC-13 Milk-Based Dairy Products, Commodity Specific Requirements for Milk-Based Dairy Products (Rev 1, 01/01/07, *Archived July 2008*)
- PDP-QC-13 Oranges, Commodity Specific Requirements for Oranges (Rev. 6, 04/01/06, *Archived July 2008*)
- PDP-QC-13 Peach Triazoles, Commodity Specific Triazole Requirements for Peaches (Original, 05/15/03, *Archived July 2008*)
- PDP-QC-13 Peanut Butter, Commodity Specific Requirements for Peanut Butter (Rev. 2, 01/01/06, *Archived July 2008*)
- PDP-QC-13 Pears, Commodity Specific Requirements for Pears (Rev. 6, 07/01/04, *Archived July 2008*)
- PDP-QC-13 Peas, Commodity Specific Requirements for Peas (Rev. 4, 04/01/06, *Archived July 2008*)
- PDP-QC-13 Plums, Commodity Specific Requirements for Plums (Rev. 3, 10/01/05, *Archived July 2008*)
- PDP-QC-13 Pork, Commodity Specific Requirements for Pork (Original, 01/01/05, *Archived July 2008*)
- PDP-QC-13 Poultry, Commodity Specific Requirements for Poultry (Rev. 3, 10/01/06, *Archived July 2008*)
- PDP-QC-13 Raisins, Commodity Specific Requirements for Raisins (Rev. 1, 10/01/06, *Archived July 2008*)
- PDP-QC-13 Sweet Potatoes, Commodity Specific Requirements for Sweet Potatoes (Rev. 2, 10/01/03, *Archived July 2008*)

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- PDP-QC-13 Soybeans, Commodity Specific Requirements for Soybeans (Rev. 3, 09/01/05, *Archived July 2008*)
- PDP-QC-13 Watermelon, Commodity Specific Requirements for Watermelon (Rev. 2, 04/01/06, *Archived July 2008*)
- PDP-QC-13 Wheat, Commodity Specific Requirements for Wheat (Rev. 2, 01/01/05, *Archived July 2008*)
- PDP-QC-13 Winter Squash, Commodity Specific Requirements for Winter Squash (Rev. 2, 04/01/06, *Archived July 2008*)
- PDP-QC-13A, Commodity Specific Requirements for Cabbage (Original, 01/01/00, *Archived July 2008*)
- PDP-QC-13E, Commodity Specific Requirements for Pineapples (Rev. 1, 07/01/00, *Archived July 2008*)
- PDP-QC-13H, Commodity Specific Requirements for Oats (Original, 01/01/00, *Archived July 2008*)
- PDP-QC-13O, Commodity Specific Requirements for Rice (Rev. 1, 01/01/01, *Archived July 2008*)
- PDP-QC-13P, Commodity Specific Requirements for Beef (Rev. 2, 04/01/02, *Archived July 2008*)
- PDP-QC-13R, Commodity Specific Requirements for Asparagus (Rev. 2, 06/01/02, *Archived July 2008*)
- PDP-QC-13T, Commodity Specific Requirements for Sweet Corn (Rev. 4, 04/01/03, *Archived July 2008*)
- PDP-QC-13W, Commodity Specific Requirements for Mushrooms (Rev. 2, 04/01/02, *Archived July 2008*)
- PDP-QC-13X, Commodity Specific Requirements for Barley (Rev. 2, 06/01/02, *Archived July 2008*)
- PDP-QC-13Z, Commodity Specific Requirements for Onions (Rev. 2, 04/01/03, *Archived July 2008*)
- PDP-QC-13AB-CA, Specific Requirements for California Finished Drinking Water (Rev. 3, 04/01/03, *Archived July 2008*)
- PDP-QC-13AB-CO, Specific Requirements for Colorado Finished Drinking Water (Original, 04/01/03, *Archived July 2008*)
- PDP-QC-13AH, Commodity Specific Requirements for Cucumbers (Original, 10/01/02, *Archived July 2008*)